

# 2<sup>nd</sup> NIST-KIPS Symposium on Polymer Science

March 20-21, 2003

Location: NIST, Administration Building, Lecture Room A

## Thursday March 20

- 8:00 Meet in lobby of Hilton Hotel to obtain security pass\*
- 8:30 Bus departs Hilton Hotel for NIST
- 8:30 Registration & Coffee in Administration Building
- 9:00 Leslie Smith Opening remarks  
Takeji Hashimoto Opening remarks
- 9:30 Hyuk Yu Chemical Surface Modifications and Applications to  
Surfaces of Organic & Inorganic Materials
- 10:00 Hirokazu Hasegawa 3D Electron Tomography of Nanostructured Polymers
- 10:30 Break
- 11:00 Alamgir Karim Combinatorial Investigations of Block Copolymer Thin  
Film Ordering
- 11:30 Takeshi Fukuda Structure and Properties of High-density Polymer  
Brushes
- 12:00 Lunch NIST cafeteria
- 1:00 Takeji Hashimoto Nanofabrication of Block Copolymers
- 1:30 Hideki Matsuoka Nanostructure of Ionic Amphiphilic Diblock Copolymer  
Monolayer at an Air-water Interface by X-ray and Neutron  
Reflectometry
- 2:00 Poster Session- Hallway outside of Lecture Room A
- 3:30 Easan Sivaniah Controlling the Domain Orientation in  
Thin Diblock Copolymer Films Using Substrate Topology
- 4:00 Jack Douglas Non-Equilibrium Pattern Formation in the Crystallization  
of Polymer Blend Films
- 4:30 Charles Han Polymer Research at ICCAS
- 5:30 Bus departs NIST for Hilton Hotel.
- 6:30 Banquet Hilton Hotel, Perry Parkway, Gaithersburg

\*Security pass may be obtained either at 8AM Thursday in the lobby of the Hilton Hotel or anytime in the white guardhouse at the main gate.

(Schedule ver. 1, prepared Feb. 25, 2003)

## Friday March 21

8:00 Bus departs Hilton Hotel for NIST

8:00 Coffee at NIST

8:30 Timothy Lodge Chain and Segmental Dynamics in Multicomponent Polymers

9:00 Toshiji Kanaya Dynamics of Amorphous Polymers near Glass Transition Temperature

9:30 Erik Hobbie Shear-Induced Structure in Complex Fluids: Patterns of Elastic Turbulence?

10:00 Break

10:30 Satoshi Koizumi Gel-like Aspects of Polymer Systems with Dynamical Asymmetry Observed by Neutron Scattering

11:00 Sheng Lin-Gibson Rheology and Shear-Induced Mesosstructure in Nanoplatelet-Poly(ethylene oxide) Gels

11:30 Mikihiro Takenaka Viscoelastic Effects in Relaxation Processes of Concentration Fluctuations in Dynamically Asymmetric Polymer Blends

12:00 Lunch NIST Cafeteria

1:00 Benjamin Chu Manipulation of Macromolecular/Nano Structures for Biomedical Applications

1:30 Hiroko Sato Biocompatibility of Polymer Surfaces Modified by Negative Ion-implantation

2:00 Newell Washburn Polymer Processing and Tissue Engineering

2:30 Eric Amis High-Throughput Experimentation for Knowledge Discovery

3:00 Break

3:30 Koji Nishida Electrolyte and Non-electrolyte Behavioral Boundary in Polyelectrolyte Solutions

4:00 Barry Bauer Understanding the Mechanism of MALDI Mass Spectrometry through SANS and Synthesis of Model Materials

4:30 Kensuke Naka Strong Electron-Donating p-Conjugated Polymers Based on Dithiafulvene Units

5:15 Bus departs NIST for Hilton Hotel.

6:30 NIST-KIPS committee dinner at Buca di Beppo.